

## WEIGHT AND BALANCE CHANGES

**AIRCRAFT MAKE: Cessna MODEL: 150L REG. NO. N17260 SERIAL NO. 15073696**

Component	in	out	Weight	Arm	Moment
Trimble TNL2000T P/N 80821-00-0212 S/N 3431898	X		2.7	13.7	36.99
Trimble GPS Antenna P/N 16248-20 S/N 3109882	X		0.5	39.0	18.00
New Weight and Balance Totals			3.2		54.99

**PREVIOUS DATA**

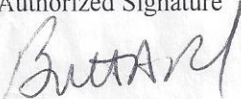
Previous empty weight / Date 1094.0/ 4-11-96  
Previous (CG) 32.83  
Previous Moment 39911.60

**REVISED DATA**

The new moment is 39966.59  
The new empty weight is 1097.2lbs  
The new center of gravity is 36.43

See Aircraft Flight Manual for center of gravity limits.

Authorized Signature



CRS# L3HR317N  
London Aircraft Service Center  
150 Aviation Drive South  
Naples, FL 34104

Date: July 22, 2004

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE CESSNA	MODEL 150L
	SERIAL NO. 15073696	NATIONALITY AND REGISTRATION MARK N17260
2. OWNER	NAME (As shown on registration certificate) STEGNOR, JOHN	ADDRESS (As shown on registration certificate) 700 LITTON ROAD MOREHEAD, KY 40351

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
				REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
AVIONICS AUTHORITY, INC. 713 AIRPORT ROAD MT. STERLING, KY 40353	<input type="checkbox"/> U.S. CERTIFICATED MECHANIC	UTYR015L
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE 4/11/96	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Rep M1 Clark</i>
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7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	<input checked="" type="checkbox"/> REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 4/11/96	CERTIFICATE OR DESIGNATION NO. UTYR015L	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Rep M1 Clark</i>		

## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

INSTALLED 1 EACH: ARC RT-359A TRNASPONDER, AMERI-KING AK-350 MODE C ENCODER, AND SOFTCOM ATC-4P TWO-PLACE INTERCOM SYSTEM. THE TRANSPONDER AND INTERCOM UNITS WERE MOUNTED IN THE CENTER AVIONICS PANEL. THE MODE C ENCODER UNIT WAS MOUNTED ON THE BOTTOM OF THE AIRCRAFT GLOVE-BOX, CO-PILOT SIDE. THE COMMANT CI-101 TRANSPONDER ANTENNA WAS MOUNTED ON THE BOTTOM OF THE AIRCRAFT FUSELAGE, F.S.# 30. THE MODE C ENCODER WAS CALIBRATED TO THE EXISTING AIRCRAFT ALTIMETER AS PER FAR 91.36.

The installation was performed in accordance with AC 43.13-2A, Chapter 2. All cabling and wiring as per AC 43.13-1A, Chapter 11. Electrical load check performed and found within limitations.

Weight and Balance has been revised:

New empty wt.	1094.00
New C.G.	32.83
New moment	3911.60
New useful load	506.00

-----nothing below this line-----

ADDITIONAL SHEETS ARE ATTACHED



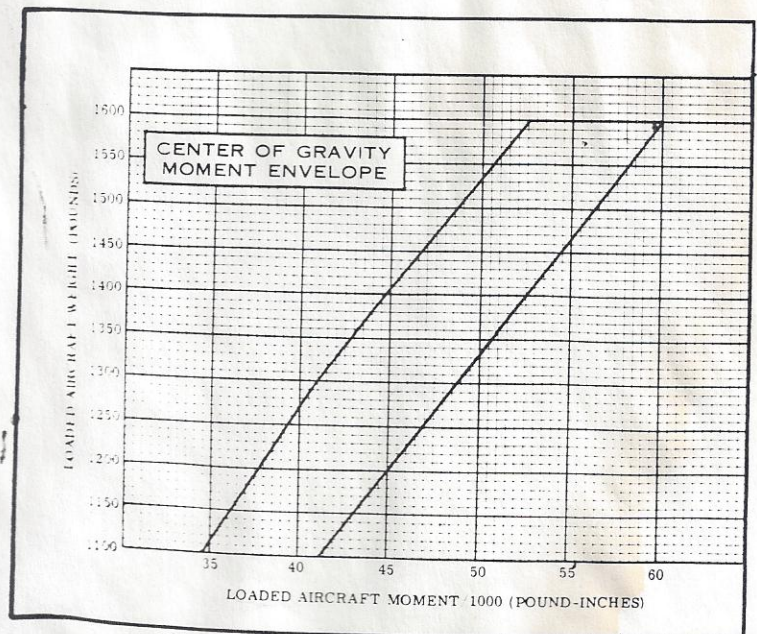
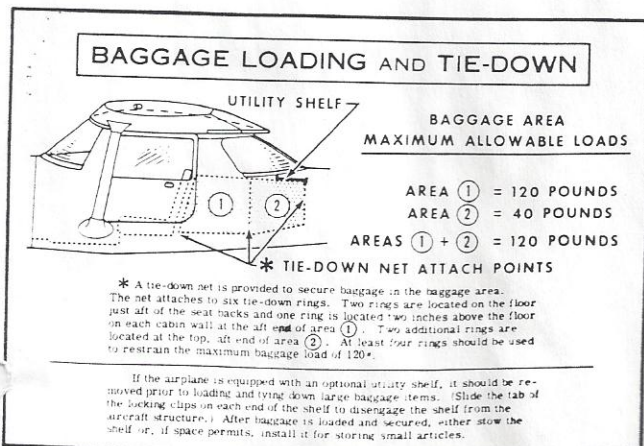
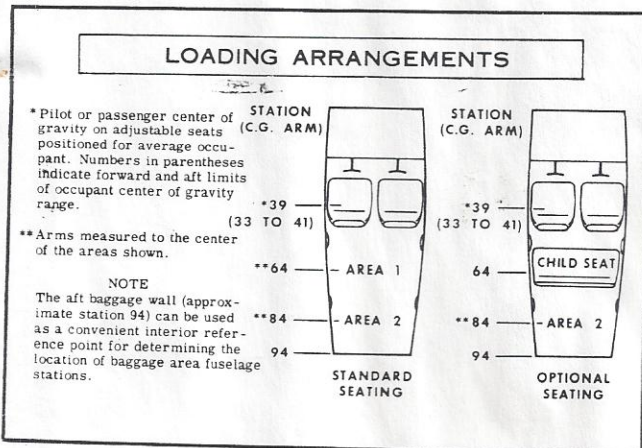
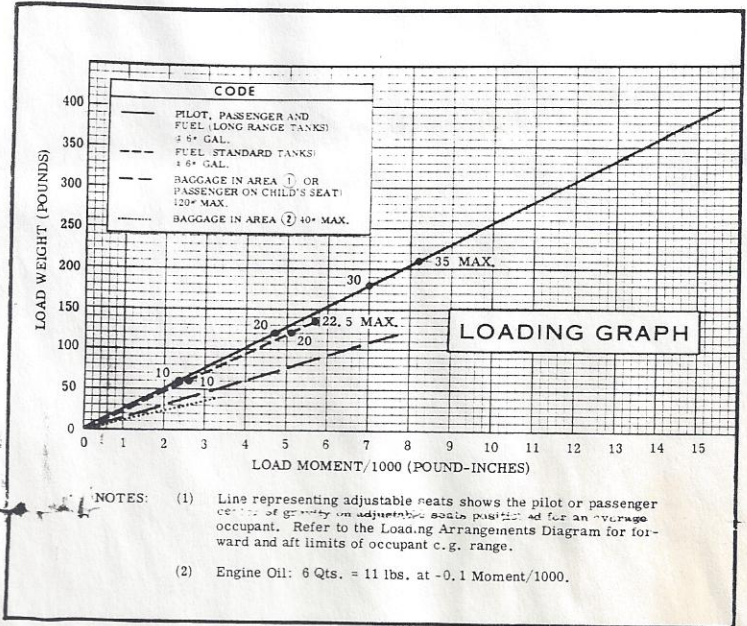
# Loading and Center of Gravity Charts

IT IS THE RESPONSIBILITY OF THE PILOT AND AIRCRAFT OWNER TO ENSURE THAT THE AIRCRAFT IS LOADED PROPERLY.

When computing aircraft loading requirements, refer to the Weight and Balance and Installed Equipment Data sheet in the aircraft file for the licensed empty weight, arm and moment of the aircraft as delivered from the factory. (If alterations have been made to the aircraft, refer to FAA form 337 for the latest empty weight, arm and moment.) The aircraft weight and balance may then be determined using the Loading Graph and Center of Gravity Moment Envelope as indicated in the Sample Loading Problem below.

SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)	Weight (lbs.)	Moment (lb.-ins./1000)
1. Licensed Empty Weight (Sample Airplane)	1084	35.9		
2. Oil (6 qts. - The weight of full oil may be used for all calculations)	11	-0.1	11	-0.1
3. Fuel (Standard - 22.5 Gal. at 6 Lbs./Gallon)	135	5.7		
Fuel (Long Range - 35 Gal. at 6 Lbs./Gallon)				
4. Pilot and Passenger (Sta. 33 to 41)	340	13.3		
5. Baggage - Area 1 (or Passenger on Child's Seat) (Sta. 50 to 76, 120 Lbs. Max.)	30	1.9		
6. Baggage - Area 2 (Sta. 76 to 94, 40 Lbs. Max.)				
7. TOTAL WEIGHT AND MOMENT	1600	56.7		

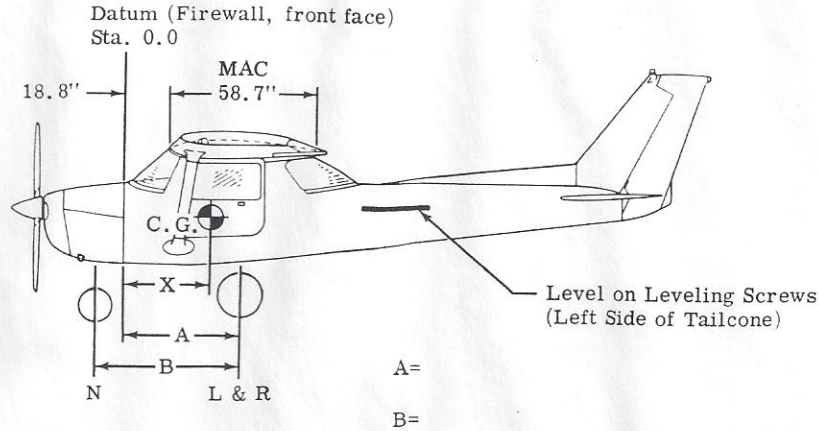
3. Locate this point (1600 at 56.7) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.



# Weighing Procedure

MODEL Y50L

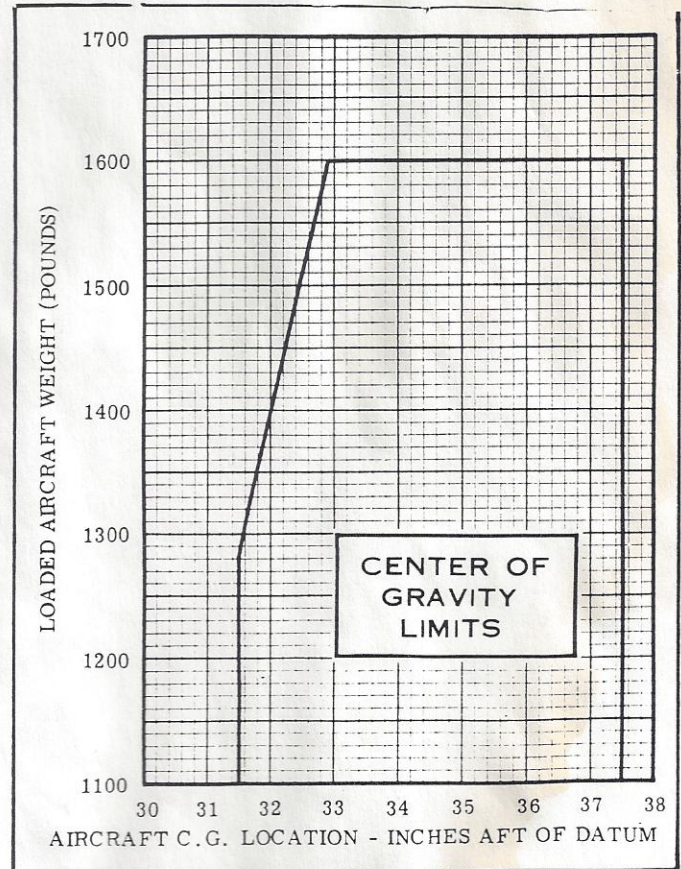
1973



Scale Position	Scale Reading	Tare	Symbol	Net Weight	
Left Wheel			L		
Right Wheel			R		
Nose Wheel			N		
Aircraft Empty Weight (As Weighed)				W	

$$X = \text{ARM} = \frac{(A) - (N) \times (B)}{W} ; X = \left( \frac{\quad}{\quad} \right) - \left( \frac{\quad}{\quad} \right) \times \left( \frac{\quad}{\quad} \right) = \left( \quad \right) \text{ IN.}$$

- Preparation:
  - Inflate tires to recommended operating pressures.
  - Remove each wing tank drain plug to remove all fuel.
  - Remove oil sump drain plug to drain all oil.
  - When individual front seats are installed, place seats in most forward position with seat backs in most nearly vertical position.
  - Put flaps in fully retracted position.
  - Place all control surfaces in neutral position.
- Leveling:
  - Place scales under each wheel (500# min. capacity for scales).
  - Deflate nose tire to center bubble on level (see Diagram).
- Weighing:
  - With the airplane level and brakes released, record the weight shown on each scale. Deduct the tare, if any, from each reading.
- Measuring:
  - Obtain measurement "A" by measuring horizontally (along the airplane center line) from a line stretched between the main wheel centers to a plumb bob dropped from the firewall.
  - Obtain measurement "B" by measuring horizontally and parallel to the airplane center line, from center of nose wheel axle, left side, to a plumb bob dropped from the line between the main wheel centers. Repeat on right side and average the measurements.
- Completing the Form:
  - Using weights from (3) and measurements from (4) the airplane weight and C.G. can be determined.
  - Obtain licensed empty weight by adding weight and moment of unusable fuel to airplane empty weight and moment. There are 3.5 gallons of unusable fuel (weight = 21#, moment = 840 lb ins.) in airplanes with the standard 26 gallon capacity fuel system and 3.0 gallons of unusable fuel (weight = 18#, moment = 720 lb ins.) in aircraft with the optional 38 gallon capacity fuel system.





## NOTES

1. Suffix letter to item numbers:  
 -R = Required items of equipment for FAA certification  
 -S = standard equipment items  
 -O = optional equipment items replacing required or standard items  
 -A = optional equipment items which are in addition to required or standard items
2. Refer to the sheet titled "Weight & Balance and Installed Equipment Data" for a listing of equipment installed on your aircraft at the factory.
3. Unless otherwise indicated, true values (not net change values) for weight and arm are shown. Positive arms are distances aft of datum; negative arms are distances forward of datum (see weight and balance data sheet for datum location).
4. A separate FAA approval must be obtained if the following items are not installed per applicable Cessna drawings or accessory kit instructions.
- \* Complete assembly installations are indicated by asterisks after the item weight and arm. Some major components of the assembly are listed on the lines immediately following. The summation of these major components does not necessarily equal the complete assembly installation.

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
001-R	Engine, Continental O-200-A, Spec 48 (Includes electrically engaging starter)	0450500	210.5	-17.5
002-R	Propeller Installation Propeller, McCauley Fixed Pitch 3.06 inch Prop Spacer Adaptor, McCauley	C161001-0402 1A101/HCM6948 B-4351	27.2* 20.6 4.4	-34.4* -35.0 -32.1
003-S	Spinner, Propeller Spinner Dome Aft Spinner Bulkhead Forward Spinner Bulkhead	0450044 0450042-1 0450041-1 0450043-1	1.5* 0.8 0.5 0.3	-36.0* -37.8 -33.6 -36.4
004-R	Alternator, 60-Amp, 14-Volt	C611501-0203	11.5	-6.5
005-R	Regulator, Alternator 60-Amp, 14 Volt	C611001-0101	1.0	-1.5
006-R	Battery, 12-Volt, 24-Amp Hour	0511319	23.0	-4.5
007-R	Filter, Carburetor Air (Air-Maze)	121614	0.5	-24.5
008-R	Heating System, Cabin & Carburetor Air	0450400	9.5	-21.0
010-R	Wheel, Brake & Tire Assy, 6.00-6 Main (2) Wheel Assy, McCauley (Each) Brake Assy, McCauley (Left) Brake Assy, McCauley (Right) Tire, 4-Ply Blackwall (Each) Tube (Each)	0441210-3 C163002-0101 C163032-0101 C163032-0102 C262003-0101 C262023-0102	30.0* 5.9 1.8 1.8 6.1 1.8	47.0* 47.7 43.7 43.7 47.1 47.1

APPROVED  
 Cessna Aircraft Co. Commercial Div.  
 Delegation Option Manufacturer, CE-1

*[Signature]* Executive Engineer  
 Date 7-13-72

ISSUED: 9 June '72

REVISED:

APPROVED:

SHT 1 OF 8

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
011-R	Wheel & Tire Assy, 5.00-5 Nose	0442504-9	8.2*	-10.8*
	Wheel Assy, McCauley (Each)	C163002-0201	3.0	-10.8
	Tire, 4-Ply Blackwall (Each)	C262003-0102	4.0	-10.8
	Tube (Each)	C262023-0101	1.2	-10.8
012-0	Whitewall Tires (Replace Blackwall Tires of Items 010-R & 011-R) Net Weight Change	0501005	0.0*	32.8*
	Main Tire, 4-Ply Whitewall (Each)	C262001-0101	6.1	47.1
	Nose Tire, 4-Ply Whitewall (Each)	C262001-0102	4.0	-10.8
020-R	Indicator, Airspeed	C661060-0101	0.5	18.0
020-0	Indicator, True Airspeed	0513236	1.0	18.0
021-R	Altimeter	C661012-0101	0.7	17.6
021-0	Altimeter, Sensitive	C661071-0101	1.0	17.6
021-0-1	Altimeter, Sensitive (Feet & Millibars)	C661071-0102	1.0	17.6
022-R	Indicator, Stall Warning Audible	0413029	0.5	21.5
023-R	Ammeter	S-1320-1	0.5	18.0
024-R	Compass	C660501-0101	0.5	20.0
025-R	Tachometer Installation, Engine Recording Tach Indicator Tach Flexible Shaft	C668020-0101	1.0*	12.5*
		S-1605-3	0.3	2.0
026-R	Instrument Cluster	C669504-0104	0.5	18.0
027-R	Instrument Cluster	C669505-0103	0.5	18.0
030-R	Seat, Pilot Individual Sliding	0414041-3	9.8	45.8
030-0	Seat, Pilot Individual Sliding Commuter	0414041-1	10.7	45.2
031-S	Seat, Co-Pilot Individual Sliding	0414041-4	9.8	45.8
031-0	Seat, Co-Pilot Individual Sliding Commuter	0414041-2	10.7	45.2
032-R	Belt Assy, Pilot Lap	S-2070-104	1.0	39.0
033-S	Shoulder Harness Assy, Pilot	S-2070-202	1.0	39.0
034-S	Belt & Shoulder Harness Assy, Copilot Lap	S-2070-4	2.0	39.0
035-S	Baggage Net	2015009-2	0.5	84.0
036-S	Paint, Standard Stripe (11131 in <sup>2</sup> )	0404018-1	1.7	86.2
036-0	Paint, Optional Overall Exterior Overall White Base (74600 in <sup>2</sup> ) Colored Stripe (11131 in <sup>2</sup> )	0404019	8.1*	80.4*
			6.6	79.0
			1.6	86.2
050-R	Operational Limitation Placard, VFR Day	1205001-141	0.0	23.0
050-0-1	Operational Limitation Placard, VFR Day and Night (Requires Installation of Omniflash Beacon Light or Wing Tip Strobe Lights)	1205001-66	0.0	23.0
050-0-2	Operational Limitations Placard, IFR (Requires Installation of Omniflash Beacon Light or Wing Tip Strobe Lights and Nav-Com Radios)	1205001-65	0.0	23.0

ISSUED: 9 June '72

REVISED:

SHT 2 OF 8





## EQUIPMENT LIST (CONT'D)

CESSNA AIRCRAFT CO

MODEL 150L (1973)

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
200-A	Cables, Corrosion Resistant Control (Net Change)	0400027	0.0	-
201-A	Clock Installation Clock, Electric	0400323 C664508-0101	0.4* 0.3	14.4* 18.1
202-A	Controls, Dual (Wheel, Pedals, and Toe Brakes)	0460118-7	3.5	12.9
203-A	Corrosion Proofing, Internal	0400027-2	4.5	68.0
204-A	Fairings Installation, Wheel (Set of 3) Nose Wheel Fairing Main Wheel Fairing (Each)	0501015-3 0543065-1 0541203	18.0* 4.1 5.9	35.3* -9.5 49.5
205-A	Filter Installation, Full Flow Engine Oil Adapter Assembly Filter Element Kit	0450405-2 0450404-2 C294505-0102	4.5* 1.1 0.3	-6.0* -8.0 -5.7
206-A	Fire Extinguisher, Hand Type	0401001	3.0	9.5
207-A	Gage, Outside Air Temp	C668507-0101	0.1	22.0
208-A	Ground Service Plug Receptacle	0470009-1	2.0	-2.0
209-A	Gyro Inst. (Requires Item 253-A Vac. Sys.) Directional Gyro, Std. Prec. SP-7610-5-CES Alternate: R. C. Allen Garwin A.I.M. Horison Gyro, Std. Prec. SP-7710-5-CES Alternate: R. C. Allen Garwin A.I.M. Hoses, Fittings, Screws	0413466-1 C661074-0102 C661075-0103 C661075-0104 C661075-0101 C661076-0104 C661076-0102 C661076-0101 C661076-0103 0413466	6.5* 2.2    2.5 2.2    1.4	14.5* 16.6    16.3 16.6    9.0
220-A	Heating System, Pitot (Net Change)	0422355-1	0.6	21.5
221-A	Hoisting Rings, Aircraft Cabin Top	0541115	2.0	42.0
222-A	Hook, Glider Tow (Installed) (Stowed)	0500228	0.5 0.5	200.0 84.0
224-A	Indicator, Rate of Climb	C661080-0101	1.0	18.0
225-A	Indicator, Turn Coordinator	C661003-0504	1.3	17.2
226-A	Indicator, Turn Coordinator (Used with Items 402-A and 402-A-1 Wing Leveler)	0400332 (604-200-200)	3.0	16.5
227-A	Indicator, Turn & Bank	S1413N2	2.0	16.5
228-A	Holder, Cup (Retractable)	0401006	0.1	17.2
230-A	Light Installation, Control Wheel Map	0470117-3	0.2	22.5
231-A	Light Installation, Cowl Mounted Landing	0401003-2	1.4	-21.9
232-A	Light Installation, Omnidflash Beacon Beacon Light in Fin Tip Flasher Power Supply in Aft Tailcone Resistor (Memcor)	0431013-1 C621001-0103 C594502-0101 0.2	1.4* 0.4 0.5 0.2	185.5* 210.9 173.9 183.4
233-A	Light Installation, Wing Tip Strobe Strobe Lights in Wing Tips (Set of 2) Flasher Power Supplies in Tips (Set of 2)	0401009-1 C622007-0103 C622007-0101	3.1* 0.2 2.3	37.8* 35.5 39.5
234-A	Lighter, Cigarette	0513052-16	0.1	18.0
235-A	Mirror, Rear View	0500312-4	0.3	17.0
236-A	Recorder, Engine Hour Meter	0400334-2	0.8	12.2

ISSUED: 9 June '72

REVISED:

SHT 3 OF 8



CESSNA AIRCRAFT CO

EQUIPMENT LIST (CONT'D)  
MODEL 150L (1973)

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
237-A	Seat Installation, Auxiliary	0400134-1	10.5*	66.5*
	Upper Back Rest Cushion	0711080-1	1.3	72.9
	Lower Seat Cushion Assembly	0400136-6	6.4	64.5
	Lap Belt Assembly	S-1746-2	1.0	66.0
238-A	Shelf Installation, Utility	0412072-4	1.0	89.0
239-A	Steps and Handles, Refueling Assist	0413456-2	2.1	9.9
250-A	Sun Visors (Set of 2)	0413473-1	1.0	27.0
251-A	Tow Bar, Aircraft Nose Wheel (Stowed)	0501019-1	1.6	84.0
252-A	Upholstery, Commuter Interior (Net Change)	0415000	4.5	29.0
253-A	Vacuum System Installation, Engine Driven	0413466-1	5.7*	-17.0*
	Dry Vacuum Pump, Airborne 200CC-9	C431002-0103	3.6	-26.4
	Filter Assembly	C294501-0101	0.5	2.0
	Vacuum Gauge	C668542-0101	0.4	17.6
	Vacuum Relief Valve, Airborne 133A14	C482001-0401	0.5	1.9
254-A	Valve, Engine Oil Quick Drain (Net Change)	1701015-4	0.0	-13.5
255-A	Valves, Wing Fuel Tank Drain (Net Change)	0526001	0.0	55.6
256-A	Windows, Overhead Cabin Top (Net Increase)	0413492-6	0.5	49.0
257-A	Windows, Tinted (set of 4, Net Change)	0400324-1	0.0	-
258-A	Wing Leveler Provisions (for complete installation, see Item 402 group)	0400332	5.5*	60.0*
	Aileron Actuator Servos (Set of 2)	1005-1-0	1.3	63.0
	Rudder Actuator Servos (Set of 2)	1005-0-1	1.3	98.6
	Tubing	S-1071-3	2.0	
	Miscellaneous Parts	0400332	3.2	
270-A	Wing Tips, Modified Conical (Net Change)	0523565	2.5	41.0
271-A	Wings With 38 Gallon Capacity Extended Range Fuel Tanks (Set of 2, Net Change)	0426008	5.0	41.0
272-A	Winterization Kit Installation, Engine	0450105-2	1.2*	-22.0*
	Cover Plates, Fwd Cowl (set of 2 instld.)	0450409	0.3	-32.0
	Cover Plates, Fwd Cowl (stowed)	0450409	0.3	84.0
	Crankcase Breather Tube Insulation	0456004	0.3	-20.1

ISSUED: 9 June '72

REVISED:

SHT 4 OF 8



EQUIPMENT LIST (CONT'D)  
MODEL 150L (1973)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
400-A	Trainer Equipment Kit Consists of Items:	0400400	9.4*	10.9*
	021-O Sensitive Altimeter (Exchange)	C661012-0101	0.3	19.6
	210-A Clock Installation	C664508-0101	0.4	14.4
	202-A Dual Controls, Wheels & Pedals	0460118-7	3.5	12.9
	207-A Outside Air Temperature Gauge	C668507-0101	0.1	22.0
	224-A Rate of Climb Indicator	C661080-0101	1.0	18.0
	225-A Turn Coordinator	C661003-0504	1.3	17.2
	231-A Landing Light, Cowl-Mounted	0401003	1.4	-21.9
	234-A Cigarette Lighter	0513052	0.1	18.0
	235-A Rear View Mirror	0500312	0.3	17.0
	250-A Sun Visors (Set of 2)	0413473	1.0	27.0
	(Cessna 300 Nav-Com 100 Channel Radio & associated installation items are required by, but not included in, the Trainer Equipment Kit weight.)			
401-A	Commuter Equipment Kit Consists of Items:	0400400	51.3*	27.4*
	030-O Seat, Pilot Individ. Sliding Commuter	0414041-1	10.7	45.2
	030-R Seat, Pilot Individ. Sliding (Replaced)	0414041-3	-9.8	45.8
	031-R Seat, Co-Pilot Individ. Sliding Commuter	0414041-2	10.7	45.2
	031-S Seat, Co-Pilot Individ. Sliding (Replaced)	0414041-4	-9.8	45.8
	204-A Wheel Fairings (Set of 3)	0501015-3	18.0	35.3
	209-A Gyros, Horizon & Directional	0413466	6.5	14.5
	220-A Heated Pitot (Net Change)	0422355	0.6	21.5
	232-A Omnidirectional Beacon Light	0431013-1	1.4	185.5
	251-A Tow Bar, Aircraft Nose Wheel	0501019-1	1.6	84.0
	252-A Commuter Upholstery (Net Change)	0415000	3.8	24.1
	253-A Vacuum System Engine-Driven	0413466	5.7	-17.0
	270-A Conical Wing Tips (Net Change)	0523565	2.5	41.0
	400-A Trainer Equipment Kit	0400400	9.4	10.9
	036-O Overall Exterior Paint (This item is required by, but not included in, the Commuter Equipment Kit Weight.)			
402-A	Wing Leveler Installation	0400332-2	14.2*	19.9*
	226-A Turn Coordinator	604-200-200	3.0	16.5
	253-A Vacuum System	0413466-1	5.7	-17.0
	258-A Wing Leveler Components	0400332	5.5	60.0
402-A-1	Wing Leveler Installation (Applicable to aircraft with Turn Coordinator and Vacuum System installed)	0400332-1	7.2*	49.6*
	225-A Turn Coordinator (Deleted)	C661003-0504	-1.3	17.2
	226-A Turn Coordinator	604-200-200	3.0	16.5
	258-A Wing Leveler Components	0400332	5.5	60.0
500-A	Electronic Option A Nav-Com Provisions	0470400	3.9*	79.4*
	520-A VHF Com 360 Ch. Antenna Instl.	0470400-616	0.8	41.9
	522-A VOR Nav Antenna Instl.	0470400-610	1.4	153.3
	525-A Hand-Held Microphone Instl.	0470400-720	0.6	18.7
	530-A Radio Light Dimming Rheostat Instl.	0470400-724	0.0	20.0
	531-A Cabin Speaker Instl.	0470400-726	1.0	52.4
	Fuse Cap and Holder	S1091-15	0.0	18.0
501-A	Electronic Option B Headset Installation	0470400	0.2	14.0

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# Cessna.

CESSNA AIRCRAFT CO

## EQUIPMENT LIST (CONT'D)

MODEL 150L (1973)

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
520-A	Antenna Inst., VHF Com 360 Channel	0470400-616	0.8	41.9
521-A	Antenna Inst., VHF Com Steel Rod	0470400-601	0.5	37.0
522-A	Antenna Inst., VOR Nav	0470400-610	1.4	153.3
523-A	Audio Isolation Amplifier (KA-25C)	0470400-712	1.5	8.8
524-A	Headset Installation (C596501-0104)	0470400	0.2	14.0
525-A	Microphone Instl., Hand-Held	0470400-720	0.6	18.7
526-A	Microphone Instl., Overhead Mtd. Boom	0401005	1.0	31.5
527-A	Radio Cooling System (Each Transmitter)	0470400	0.2	13.0
528-A	Radio Mounting Rack for Remote Units	0411547	0.5	100.0
529-A	Radio Selector Switches and Relay	0470400	0.5	15.0
530-A	Rheostat Instl., Radio Light Dimming	0470400-724	0.0	20.0
531-A	Speaker Instl., Cabin (C596504-0201)	0470400-726	1.0	52.4
532-A	Tee Inst., VOR Antenna Cable	0470400-217	0.2	1.0
550-A	Cessna 300 ADF (546A or 546E)	0470400-11,-13	8.4*	17.4*
	R-546A Receiver or	41240-1001	3.3	13.5
	R-546E Receiver with BFO	41240-0101	3.3	13.5
	Mounting Box	40900-0000	0.5	13.5
	IN-546 Indicator, Fixed Card	41250-1001	0.9	15.5
	L-346 Antenna, Fixed Loop	41000-1001	1.4	24.2
	Sense Antenna Instl.	0470400-606	0.2	96.5
551-A	Cessna 300 Marker Beacon (502B)	0470400-28	2.2*	29.4*
	R-502B Receiver	31240-0014	1.0	1.0
	Antenna, "L" Shaped Rod	0770681-1	0.4	94.0
552-A	Cessna 300 Nav-Com 100 Channel (508A)	0470400	9.0*	13.8*
	RT-508A Receiver-Transmitter	39360-1014	6.7	13.6
	Mounting Box	40550	0.8	12.2
	IN-514R VOR Indicator	31640-0000	0.7	17.8
553-A	Cessna 300 Nav-Com 360 Ch. (328A & IN-514R)	0470400	9.6*	13.9*
	RT-328A Receiver-Transmitter	41740-1114	7.1	13.6
	Mounting Box	40550	0.8	12.2
	IN-514R VOR/LOC Indicator	31640-0000	0.9	17.8
554-A	Cessna 300 Nav-Com 360 Ch. (328A & IN-525A)	0470400	9.7*	13.8*
	RT-328A Receiver-Transmitter	41740-1114	7.1	13.6
	Mounting Box	40550	0.8	12.2
	IN-525A VOR/ILS Indicator	32350-0000	1.0	17.8
555-A	Cessna 300 VHF Transceiver (524A)	0470400-314	7.8*	12.8*
	RT-524A Transceiver	31390-1514	6.6	12.5
	M-514R Mounting Box	30420-0000	0.7	12.5
556-A	Cessna 300 Transponder, High Alt. (CC-316A)	3920101	4.0*	18.9*
	KT-76 Transceiver 066-1036-07	C589520-0101	2.7	13.0
	KA-48 Antenna 071-1048-00	C589508-0101	0.1	70.0

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EQUIPMENT LIST (CONT'D)  
 MODEL 150L (1973)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
1				
557-A	Cessna 300 Transponder, Low Alt.(CC-317A) KT-78 Transceiver 066-1034-04 KA-48 Antenna 071-1048-00	3920101 C589520-0104 C589508-0101	4.0* 2.7 0.1	18.9* 13.0 70.0
558-A	Cessna 400 Glideslope (443B) R-443B Receiver Mounting, Rigid Antenna	0470400-62 41640-0000 36450-0000 1200098-2	5.0* 2.7 0.3 0.2	82.5* 100.0 100.0 23.2
-	Trimble GPS		2.7	13.7
-	GPS ANT		.5	39.0
580-A	Emergency Locator Transmitter Transmitter (Leigh SHARC-7A) Antenna	0401008-1 C589510-0102 C589510-0103	2.4* 2.1 0.1	102.6* 102.6 101.3

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# EQUIPMENT LIST (CONT'D)

CESSNA AIRCRAFT CO

MODEL 150L (1973)

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INCHES
<u>INSTRUCTIONS FOR USING RADIO EQUIPMENT LISTINGS:</u>				
Complete radio installations require certain supporting equipment in addition to the individual radio items listed. The following installation examples and notes should be used as a guide in the determination of complete installations.				
1.	First Unit Cessna 300 Nav-Com 360 Channel with VOR/ILS Indicator		13.7*	32.7*
Complete Installation. Consists of Items:				
	554-A Cessna 300 Nav-Com 360 Ch. (328A & IN-525A)		9.7	13.8
	520-A Antenna Inst., VHF Com 360 Channel		0.8	41.9
	522-A Antenna Inst., VOR Nav		1.4	153.3
	525-A Microphone Inst., Hand Held		0.6	18.7
	527-A Radio Cooling		0.2	13.0
	530-A Rheostat Inst., Radio Light Dimming		0.0	20.0
	531-A Speaker Inst., Cabin		1.0	52.4
2.	Second Unit Cessna 300 Nav-Com 100 Channel With VOR Indicator		10.7*	15.7*
Complete Installation. Consists of Items:				
	552-A Cessna 300 Nav-Com 100 Ch. (508A)		9.0	13.8
	520-A Antenna Inst., VHF Com 360 Channel		0.8	41.9
	527-A Radio Cooling		0.2	13.0
	529-A Radio Selector Switches and Relay		0.5	15.0
	532-A Tee Inst., VOR Antenna Cable		0.2	1.0
3.	Second Unit Cessna 300 ADF with BFC Complete Installation		8.9*	17.3*
Consists of Items:				
	550-A Cessna 300 ADF (546E)		8.4	17.4
	529-A Radio Selector Switches and Relay		0.5	15.0
4.	Third Unit Cessna 300 Marker Beacon Receiver Complete		2.2	29.4
Installation. Consists of Item 551-A Only.				
5.	Fourth Unit Cessna 400 Glideslope Receiver Complete		5.5*	84.1*
Installation. Consists of items:				
	557-A Cessna 400 Glideslope (443A)		5.0	82.5
	528-A Radio Mounting Rack for Remote Units		0.5	100.0
<u>NOTES:</u>				
1. Item 523-A (KA-25C Audio Isolation Amplifier) is required for all multiple radio installations not incorporating a "Cessna-Crafted" VHF or HF.				
2. <u>All</u> panel-mounted transmitters require Item 528-A (Radio Cooling System).				
Installations with aft mounted units require Item 528-A (Radio Mounting Rack for Remote Units) be installed with first aft mounted unit.				
Example: Item 557-A (Cessna 400 Glideslope)				
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